



BORDER REV. DATE: June 11, 2004

BY: \$USER\$NAME\$

PROJECT DESCRIPTION

THIS PORTION OF THE PROJECT INVOLVES THE RECONSTRUCTION OF AN EXISTING TRAFFIC SIGNAL AT MD 2-4 (SOLOMON'S ISLAND ROAD) AND MD 263 (PLUM POINT RD) IN CALVERT COUNTY. THE SIGNAL WILL BE RECONSTRUCTED IN THREE PHASES. THE FIRST TWO PHASES WILL BE MOT PHASES, UTILIZING EXISTING GEOMETRICS WITH PARTIAL TEMPORARY EQUIPMENT. THE LAST PHASE WILL BE FINAL GEOMETRICS WITH FINAL SIGNAL EQUIPMENT BEING OPERATIONAL AND THEN REMOVING ALL EXISTING EQUIPMENT NO LONGER NEEDED. MD 2-4 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

1. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A THREE PHASE, FULLY TRAFFIC ACTUATED MODE WITH MD 2-4 APPROACHES OPERATING CONCURRENTLY AND MD 263 WILL OPERATE SEPERATLY. THE SHOPPING PLAZA ENTRANCE APPROACH WILL NOT HAVE A SIGNAL AND WILL BE RIGHT IN RIGHT OUT ONLY. THERE WILL BE AN E/P LEFT TURN PHASE FOR MD 2-4 SOUTHBOUND TRAFFIC. THERE WILL BE NO MD 2-4 NORTHBOUND LEFT TURN.

CONTROLLER REQUIREMENTS:

AN EXISTING FULLY - TRAFFIC - ACTUATED - EIGHT- PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE - MOUNTED SYSTEM READY CABINET WILL UTILIZED DURING THIS MOT PHASE.

SPECIAL NOTE:

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7631 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

WIRING DIAGRAM

MD 2-4 (SOLOMONS ISLAND RD)

MD 263
(PLUM POINT RD)

EXISTING
WIRING TO REMAIN

EXISTING
WIRING TO REMAIN

EXISTING
WIRING TO REMAIN

PS
SMECO # 1081

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1003

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1002

MR. MARK COBLENTZ
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 841-1004

MR. JOHN S. MAYS
UTILITY ENGINEER
PHONE: (410) 841-1005

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

| | | | | | | | | |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| (R) (Y) (G) | (R) (Y) (G) | (R) (Y) (G) | (R) (Y) (G) | (R) (Y) (G) | (R) (Y) (G) | (R) (Y) (G) | (R) (Y) (G) | (R) (Y) (G) |

| PHASE 1 | R | R | R | -G- | -G- | R | R | FL/Y | FL/Y | ↑ |
|--------------------|------|------|------|--------|--------|------|------|------|------|---|
| 1 CHANGE | R | R | R | -Y- | -Y- | R | R | FL/Y | FL/Y | ↑ |
| PHASE 2 | G | G | G | -R- | -R- | R | R | FL/Y | FL/Y | ↑ |
| 2 CHANGE | Y | Y | Y | -R- | -R- | R | R | FL/Y | FL/Y | ↑ |
| PHASE 4 | R | R | R | -R- | -R- | G | G | FL/Y | FL/Y | ↑ |
| 4 CHANGE | R | R | R | -R- | -R- | Y | Y | FL/Y | FL/Y | ↑ |
| FLASHING OPERATION | FL/Y | FL/Y | FL/Y | FL/-R- | FL/-R- | FL/R | FL/R | FL/Y | FL/Y | ↑ |

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2-4 (SOLOMONS ISLAND ROAD) AT MD 263 (PLUM POINT ROAD)

TRAFFIC SIGNAL PLAN

| APPROVALS | REVISIONS | TRAFFIC MOT GENERAL INFORMATION SHEET PHASE 1 - STAGE 2 | |
|--|---|---|---|
| TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR | (N) 062006 RECONSTRUCT SIGNAL DUE TO GEOMETRIC UPGRADES S.H.A. CA3175176 (M) 072002 INSTALL H.I.B. FOR NB MD 2-4 & ADD THIRD SIGNAL HEAD FOR NB MD 2-4 AT INTERSECTION S.H.A. XX1065485 (L) 082001 UPGRADE DETECTION S.H.A. CA4865177 W.M. M.A.R. D.A.J. B.R.K. T.H. | SCALE 1"=20' DATE 04/07/1989 CONTRACT NO. _____ | DESIGNED BY S. RAMSEY COUNTY CALVERT COUNTY DRAWN BY S. RAMSEY LOGMILE 04002023.36 CHECKED BY D. DODA TMS NO. H312 FAP NO. SEE TITLE SHEET TOD NO. _____ |
| NOTED: THIS IS A REVISION TO 855-28016016 DATED 04/07/1989 ON FILE | | TS NO. TS-2533 DRAWING - 2 OF 2 | SHEET NO. 16 OF 25 |

PLOTTED: Thursday, August 17, 2006 AT 05:21 PM
FILE: C:\SMD\060039_MD2-4_SP\CADD\p853-P001_M2-4.dgn